

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 63-162708

(43)Date of publication of application : 06.07.1988

(51)Int.Cl.

C08F212/08

C08F220/42

C08F222/40

C08F222/40

pr

(21)Application number : 61-312412

(71)Applicant : JAPAN SYNTHETIC RUBBER CO LTD

(22)Date of filing : 26.12.1986

(72)Inventor : NAKAZAWA KAZUMI  
HASHIGUCHI YUICHI  
SHIBATA YUKIKAZU  
YAMAMOTO TOMOJI

## (54) MALEIMIDE COPOLYMER AND ITS PRODUCTION

## (57)Abstract:

PURPOSE: To obtain a maleimide copolymer excellent in heat resistance, impact strength, processability, etc., by feeding an aromatic vinyl monomer and a vinyl cyanide monomer to a polymerization system and polymerizing these monomers while adding a maleimide monomer thereto in small portions.

CONSTITUTION: 95W50pts.wt. total of 40W80pts.wt. aromatic vinyl monomer (e.g., styrene) and 10W40pts.wt. vinyl cyanide monomer (e.g., acrylonitrile) is fed to a polymerization system. 5W50pts.wt. total of a maleimide monomer (e.g., maleimide) and, optionally, at most 30wt%, based on the maleimide monomer, copolymerizable monomer is intermittently or continuously added thereto in such a manner that the amount of addition is constant or varies within the range of a constant rate  $\pm 40\%$ . The polymerization is continued to a polymer conversion of 70% to obtain the purpose maleimide copolymer.

## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]